

Converting Colors

XYZ(45.4789, 45.3565, 64.2691)

Have a look what the booklet for
XYZ(45.4789, 45.3565, 64.2691)
contains.

XYZ(45.3672, 45.1617, 64.0836)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.3672, 45.1617,
64.0836)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B0CD
RGB	180, 176, 205
RGB Percent	71%, 69%, 80%
CMY	0.2941, 0.3098, 0.1961
CMYK	0.12, 0.14, 0.00, 0.20
HSL	248°, 22%, 75%
HSV	248°, 14%, 80%
XYZ	45.3672, 45.1617, 64.0836
YIQ	180.5020, -6.9250, 9.8670

Conversions

Conversions Part 2

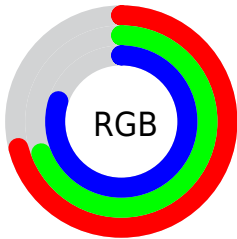
Format	Color
RYB	180, 176, 205
Decimal	11841741
CIELab	73.00, 7.14, -14.16
CIELCh	73, 15.861, 296.762
Yxy	45.1617, 0.2934, 0.2921
Android (android.graphics.Color)	4290031821 (0xFFB4B0CD)
YUV	180.5020, 12.0775, -0.4403
Hunter-Lab	67.2025, 2.8979, -9.4966

Details

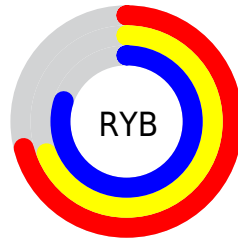
The XYZ color **45.3672, 45.1617, 64.0836** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.7566, 59.2159, 49.6728**, and the grayscale version is **43.5931, 45.8633, 49.9452**.

A 20% lighter version of the original color is **81.4987, 82.7661, 106.2878**, and **21.5460, 21.1617, 32.2272** is the 20% darker color. If you saturate the color by 10%, you get **37.7921, 35.7344, 62.6639**, and if you desaturate by 10%, it is **54.0767, 56.0772, 65.7322**.

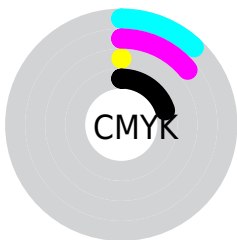
Distribution



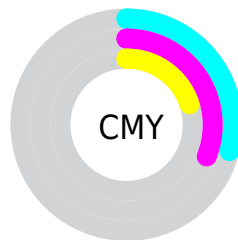
- Red (71%)
- Green (69%)
- Blue (80%)



- Red (71%)
- Yellow (69%)
- Blue (80%)



- Cyan (12%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3672, 45.1617, 64.0836 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 45.3672, 45.1617, 64.0836 by changing the saturation by 10% instead.

■ 45.3672, 45.1617,
64.0836

■ 45.3672, 45.1617,
64.0836

359.0174,
367.4281, 457.7072

■ 31.9493, 31.5848,
46.2718

■ 82.5048, 82.9630,
112.3320

■ 21.4781, 21.0446,
32.1101

106.9552,
107.9562, 143.6056

■ 13.5884, 13.1566,
21.1801

135.8139,
137.5236, 180.2035

■ 7.9147, 7.5365,
13.0632

169.4460,
172.0497, 222.5443

■ 4.0918, 3.7998,
7.3408

208.2171,
211.9188, 271.0466

■ 1.7542, 1.5622,
3.5945

252.4925,

■ 0.4898, 0.3319,

257.5153, 326.1288

1.4056

302.6375,
309.2236, 388.2095

■ 0.0000, 0.0000,
0.1461

■ 0.0000, 0.0000,
0.0000

■ 45.3672, 45.1617,
64.0836

■ 45.3672, 45.1617,
64.0836

■ 37.7921, 35.7344,
62.6639

■ 54.0767, 56.0772,
65.7322

■ 31.3004, 27.7253,
61.4601

■ 63.9605, 68.5357,
67.6160

■ 25.8435, 21.0670,
60.4626

■ 75.0616, 82.5961,
69.7448

■ 21.3672, 15.6846,
59.6596

■ 86.4539, 96.3807,
71.8051

■ 17.8125, 11.4959,
59.0384

■ 88.0196, 97.1878,
71.8783

■ 15.1139, 8.4086,
58.5848

■ 13.1968, 6.3172,
58.2821

■ 11.9733, 5.0947,
58.1107

■ 11.5058, 4.6585,
58.0511

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6248, 45.1617, 66.0225



45.3672, 45.1617, 64.0836



47.5338, 45.1617, 58.0137

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.3672, 45.1617, 64.0836



45.9098, 45.1617, 37.4905



37.8255, 45.1617, 48.3172

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.3672, 45.1617, 64.0836



53.7566, 59.2159, 49.6728

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.6238, 45.1617, 41.2801



45.3672, 45.1617, 64.0836



43.2263, 45.1617, 35.4665

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.3672, 45.1617, 64.0836



47.8565, 45.1617, 42.6219



40.5718, 45.1617, 36.7763



38.3442, 45.1617, 56.3641

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3672, 45.1617, 64.0836



48.3190, 45.1617, 52.7485



40.5718, 45.1617, 36.7763



37.9478, 45.1617, 45.7636

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.3686, 45.1636, 64.0846



88.7204, 92.0340, 107.6960



49.8431, 55.4746, 65.8390



18.7426, 19.3884, 23.0044



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.3686, 45.1636, 64.0846



70.3082, 68.9802, 104.2166



48.8886, 46.9782, 64.2493



10.7432, 10.9169, 14.1113



7.2100, 2.9244, 36.1407



0.4199, 0.1756, 1.8667

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.2462, 48.2487, 61.8721



81.7985, 75.0131, 99.8089



50.0731, 57.3169, 49.5005



11.6184, 11.3761, 13.7912



20.6236, 10.0600, 26.8001



1.0828, 0.5265, 1.4816

Previews

White Background



This preview shows how the XYZ color 45.3672, 45.1617, 64.0836 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.3672, 45.1617, 64.0836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

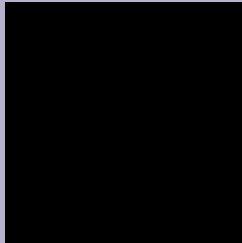
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3672, 45.1617, 64.0836

Background



This preview shows how black text looks on a background with the XYZ color 45.3672, 45.1617, 64.0836.



This preview shows how white text looks on a background with the XYZ color 45.3672, 45.1617,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.3672, 45.1617, 64.0836

Protanopia

44.5165, 45.2957, 64.7892

Deuteranopia

46.1166, 45.2581, 64.0627



Tritanopia

43.7949, 45.1115, 56.2683

Trichromacy



Original Color

45.3672, 45.1617, 64.0836

Protanomaly

44.7672, 45.1306, 64.7441

Deuteranomaly

45.8779, 45.1350, 64.0515

Tritanomaly

44.3906, 45.0592, 59.1810

Monochromacy



Original Color

45.3672, 45.1617, 64.0836

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.4704, 45.7817, 55.2081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3672, 45.1617, 64.0836 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 176, 205)` looks like.

```
.text, #text, p{  
    color:rgb(180, 176, 205)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 176, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 176, 205) }
```

Border

The CSS property to change the border of an element to XYZ 45.3672, 45.1617, 64.0836 is called "border". The border property can be set on classes, ids or directly on the HTML element.

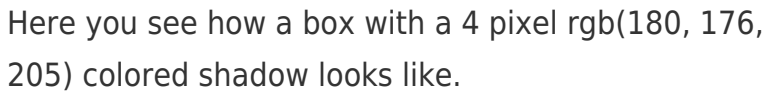
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 176, 205) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(180, 176, 205) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(180, 176, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 176, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 176, 205); box-shadow:4px 4px 4px 4px rgb(180, 176, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3672, 45.1617, 64.0836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 176, 205) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180,  
176, 205) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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